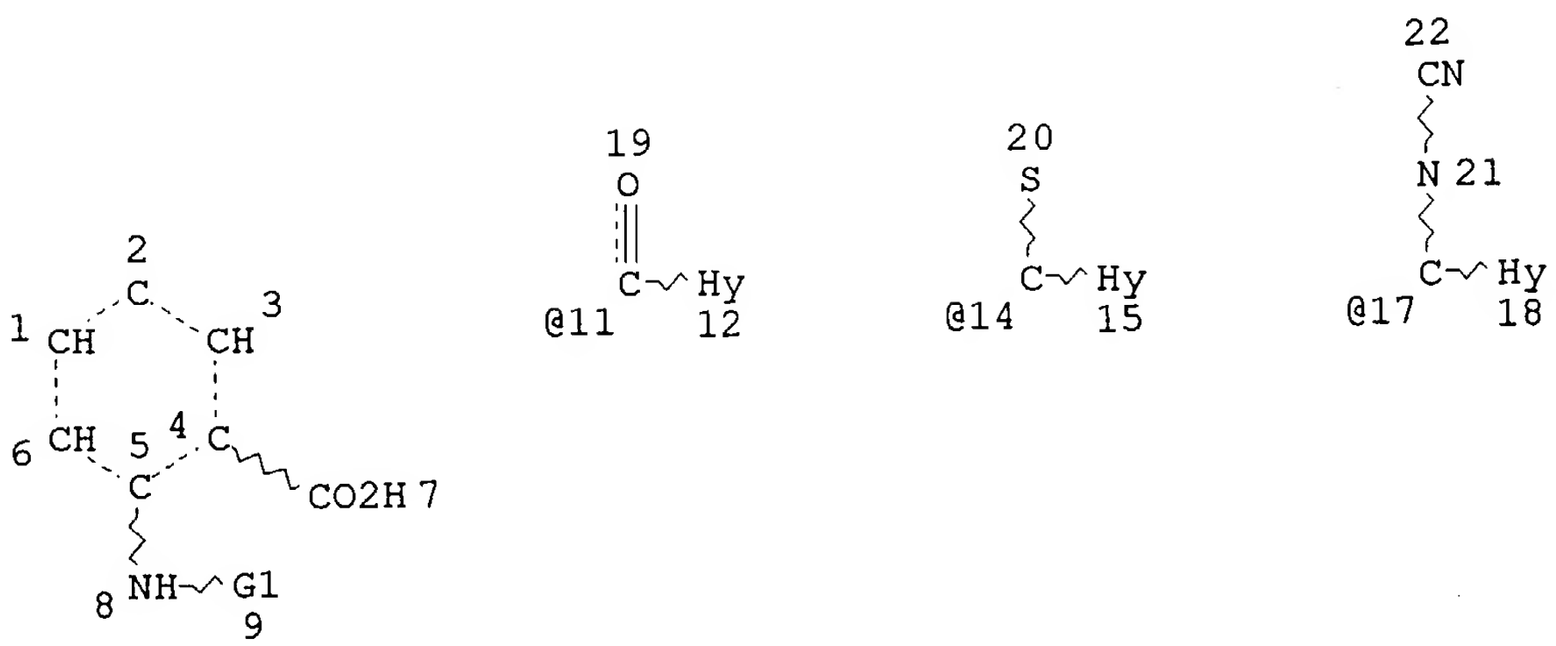
Northington-Davis
10/645802

(FILE 'REGISTRY' ENTERED AT 15:38:04 ON 16 SEP 2004)

L4 STR



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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
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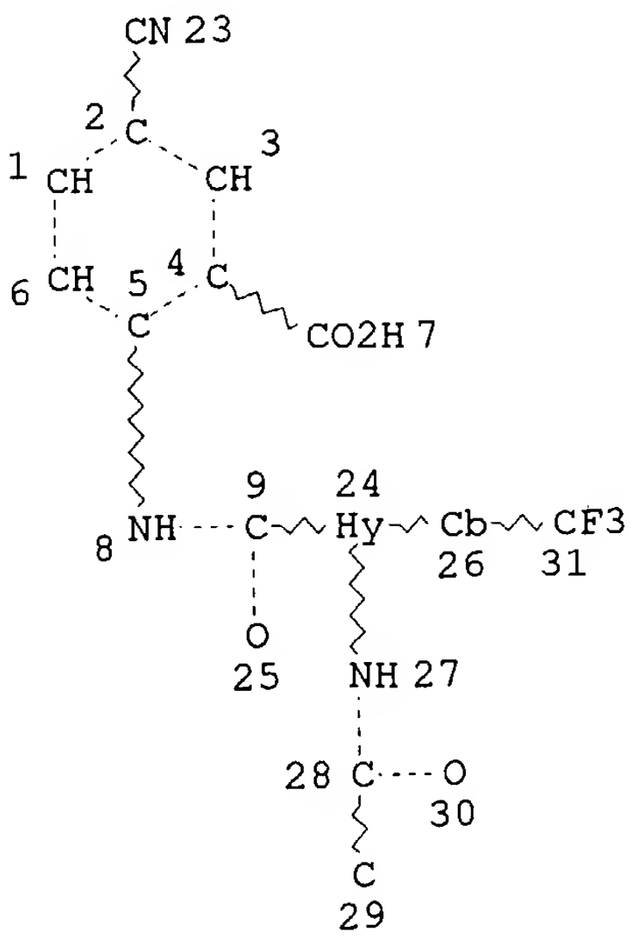
NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE
L6 1430 SEA FILE=REGISTRY SSS FUL L4
L17 STR



Species

NODE ATTRIBUTES:
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Searcher : Shears 571-272-2528

DEFAULT ECLEVEL IS LIMITED
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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE
L18 1 SEA FILE=REGISTRY SUB=L6 SSS FUL L17

100.0% PROCESSED 26 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

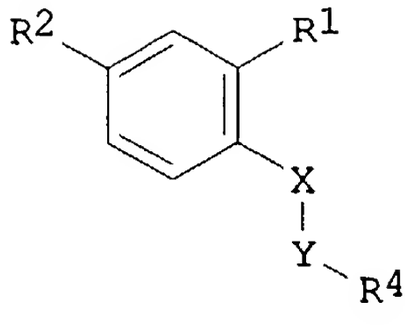
(FILE 'CAPLUS' ENTERED AT 15:46:59 ON 16 SEP 2004)
L19 1 S L18

L19 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2004:182843 CAPLUS
DOCUMENT NUMBER: 140:235498
TITLE: Preparation of antibacterial benzoic acid derivatives
INVENTOR(S): Thorarensen, Atli; Ruble, Craig J.; Fisher, Jed F.; Romero, Donna L.; Beauchamp, Thomas J.; Northuis, Jill M.
PATENT ASSIGNEE(S): Pharmacia & Upjohn Company, USA
SOURCE: PCT Int. Appl., 500 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004018428	A1	20040304	WO 2003-US24796	20030822
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004110802	A1	20040610	US 2003-645802	20030820
			US 2002-405429P	P 20020823
			US 2002-430592P	P 20021203

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 140:235498
GI



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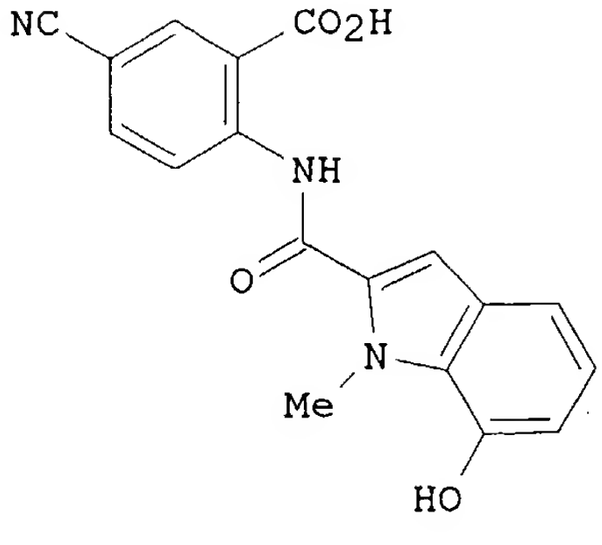


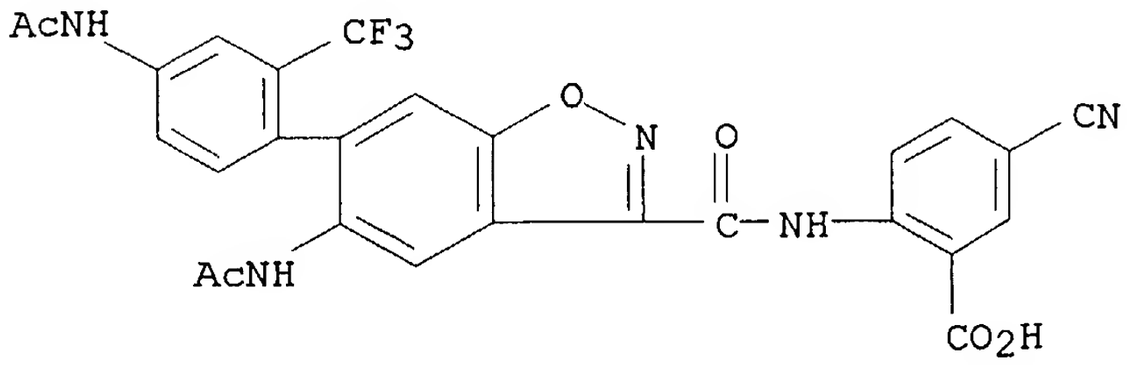
II

AB Title compds. I [X = NH; Y = CO, CS, C(NCN), or X and Y together form an alkene or cycloalkyl; R1 = CO2H; R2 = electron withdrawing group; R4 = (un)substituted heterocycle, provided that the heterocycle is not simultaneously substituted with a sulfonamide and a urea or thiourea] and their pharmaceutically acceptable salts are prepared and disclosed as antibacterial agents. Thus, e.g., II was prepared via conversion of 7-(benzyloxy)-1-methyl-1H-indole-2-carboxylic acid (preparation given) to the acid chloride which is reacted with tert-butyl-2-amino-5-cyanobenzoate then subjected to hydrolysis. For compds. of the invention, the min. inhibitory concentration was determined and found to correspond to a range of 0.0075 - >128 μg/mL. The invention provides antimicrobial agents and methods of using the agents for sterilization, sanitation, antisepsis, disinfection, and treatment of infections in mammals.

IT **668970-61-4P**
RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of benzoic acid derivs. as antibacterial agents)

RN 668970-61-4 CAPLUS

CN Benzoic acid, 2-[[[5-(acetylamino)-6-[4-(acetylamino)-2-(trifluoromethyl)phenyl]-1,2-benzisoxazol-3-yl]carbonyl]amino]-5-cyano- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

FILE 'CAOLD' ENTERED AT 15:48:32 ON 16 SEP 2004

Searcher : Shears 571-272-2528

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L20             0 S L18

     FILE 'USPATFULL' ENTERED AT 15:48:37 ON 16 SEP 2004
L21             1 S L18

L21  ANSWER 1 OF 1  USPATFULL on STN
ACCESSION NUMBER:         2004:145129  USPATFULL
TITLE:                    Antibacterial benzoic acid derivatives
INVENTOR(S):              Thorarensen, Atli, O'Fallon, MO, UNITED STATES
                          Ruble, J. Craig, Greenwood, IN, UNITED STATES
                          Fisher, Jed F., Kalamazoo, MI, UNITED STATES
                          Romero, Donna Lee, Chesterfield, MO, UNITED STATES
                          Beauchamp, Thomas J., Noblesville, IN, UNITED STATES
                          Northuis, Jill M., Portage, MI, UNITED STATES

                              NUMBER         KIND    DATE
                          --------------- ------ --------
PATENT INFORMATION:       US 2004110802      A1   20040610
APPLICATION INFO.:        US 2003-645802     A1   20030820   (10)

                              NUMBER         DATE
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PRIORITY INFORMATION:     US 2002-405429P    20020823 (60)
                          US 2002-430592P    20021203 (60)
DOCUMENT TYPE:            Utility
FILE SEGMENT:             APPLICATION
LEGAL REPRESENTATIVE:     PHARMACIA & UPJOHN, 301 HENRIETTA ST, 0228-32-LAW,
                          KALAMAZOO, MI, 49007
NUMBER OF CLAIMS:         46
EXEMPLARY CLAIM:          1
LINE COUNT:               10219
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB       The invention provides antimicrobial agents and methods of using the
         agents for sterilization, sanitation, antisepsis, disinfection, and
         treatment of infections in mammals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

     (FILE 'MEDLINE, BIOSIS, EMBASE' ENTERED AT 15:49:11 ON 16 SEP 2004)
L22             0 S L18

=> fil hom
FILE 'HOME' ENTERED AT 16:04:10 ON 16 SEP 2004
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